Risk Assessment

Values

Likelihood

Rare	Unlikely	Possible	Likely	Certain
1	2	3	4	5

Impact

Negligible	Minor	Moderate	Major	Extreme
1	2	3	4	5

Risk rating (Likelihood)

Low	Moderate	High	Extreme
1-5	6-10	11-15	16-25

Risk register 1 – Initial scores and actions

identifying risks and the actions that are required to mitigate them.

Ref	Risk Description	Cause	Risk event	Likelihood (1-5)	Impact (1-5)	Risk rating	Action
1	Lack of time	Time management is improper	Project incomplete	2	4	16	Plan daily and adhere to agile development schema.
2	Self-Management	Overworking/working and sitting around for long period of time	Back and neck pain, as well as eye strain and headache.	4	4	6	Take breaks, keep hydrated and move around during breaks.
3	Unreliable services	GCP/Github Service interruptions	Unable to access or crash of suggested services	1	3	6	Ensure local repository is updated. Keep checking for scheduled maintenance.
4	Unreliable application	There are not enough tests	Application not easily maintained	3	4	12	Sprint plan tests so you can test on specific times and asks for help when needed.
5	Loss of work	Crash of device/accidental work loss	Devices crashes and lose the work. Deletes wrong folders.	3	5	14	Keep backup copies of work, update the Git Repository often.

Risk register 2 – Midpoint scores, updates, and actions

This is a follow up and update during the implementation of the project and reassessing the risks.

Ref	Risk Description	Cause	Risk event	Likelihood (1-5)	Impact (1-5)	Risk rating	Updates	Action
1	Lack of time	Time management is improper	Project incomplete	3 ↑	4	18	Extra training has affected project time.	Stay calm and stick to the current daily plan.
2	Self-Management	Overworking/working and sitting around for long period of time	Back and neck pain, as well as eye strain and headache.	3 ↓	4	4	Less pains and other discomforts.	Continue with the same actions.
3	Unreliable services	GCP/Github Service interruptions	Unable to access or crash of suggested services	1	3	3 ↓	No interruptions have occurred.	Continue checking for scheduled maintenance.
4	Unreliable application	There are not enough tests	Application not easily maintained	3	4	12	JUnit is being implemented into the DAOs, Mockito training will begin soon.	Continue working on other areas while trying to finish off JUnit.
5	Loss of work	Crash of device/accidental work loss	Devices crashes and lose the work. Deletes wrong folders.	3	5	14	No issues yet.	Upload work on to GitHub.

Risk Register – Final scores, analysis, and actions

Analysis performed at the end of the project

Ref	Risk Description	Cause	Risk event	Likelihood (1-5)	Impact (1-5)	Risk rating	Analysis	Action
1	Lack of time	Time management is improper	Project incomplete	5 ↑	5	20 ↑	Lost work, so need to finish the work within few hours.	Stay calm and do as much as possible.
2	Self-Management	Overworking/working and sitting around for long period of time	Back and neck pain, as well as eye strain and headache.	4 ↑	4	20 ↑	Followed a good working standard, took appropriate breaks. However, loss of work clouded my working standard and affected me physically and mentally.	Stay calm and use the resources possible to maintain a healthy mindset and body.
3	Unreliable services	GCP/Github Service interruptions	Unable to access or crash of suggested services	1	3	6	Not been a factor but is something to always keep in mind.	Kept a local database so risk closed.
4	Unreliable application	There are not enough tests	Application not easily maintained	3	4	12	Some material was delivered slightly later than expected – a full working application was implemented but I had not yet learnt the required technologies to test it effectively.	Ask for the work upfront or work form the community ahead of training.
5	Loss of work	Crash of device/accidental work loss	Devices crashes and lose the work. Deletes wrong folders.	5	5	5 ↓	No work was lost, no issues with folders or device	Kept a good version control on g=Github.